

Title (en)

Optical fiber connector with ferrule radial orientation control

Title (de)

Faseroptischer Stecker mit Festlegung der radialen Orientierung des Steckerstiftes

Title (fr)

Connecteur à fibre optique avec contrôle de l'orientation radiale de la ferrule

Publication

EP 1394585 A2 20040303 (EN)

Application

EP 03254946 A 20030808

Priority

US 40190102 P 20020808

Abstract (en)

A method of assembling an optical fiber assembly comprising the steps of: (a) providing a ferrule sub-assembly comprising a ferrule having a front end and a fiber secured therein and a positioning member; (b) positioning the ferrule sub-assembly in a housing adapted to receive the positioning member in a plurality of predetermined radial positions; (c) preparing the front end such that the fiber is suitable for optical coupling with a mating device; (d) rotating the ferrule sub-assembly to at least a portion of the plurality of predetermined radial positions within the housing while measuring the power loss associated with each radial position to determine the optimal radial position; and (e) optionally polishing the end of the ferrule into the desired configuration after the optimum radial position is determined. <IMAGE>

IPC 1-7

G02B 6/38

IPC 8 full level

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CPC (source: EP US)

G02B 6/3843 (2013.01 - EP US); **G02B 6/3869** (2013.01 - EP US); **G02B 6/3871** (2013.01 - EP US); **G02B 6/3812** (2013.01 - EP US)

Cited by

US9964710B2; US7802926B2; WO2016073266A1; WO2007039585A1; WO2016138598A1

Designated contracting state (EPC)

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